



Docket No.: 00042

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
	)	
Carleton Sparrell et al.	)	
	)	
Serial No.: 09/603,310	)	
	)	Art Unit: 2665
Filed: June 21, 2000	)	
	)	
For: WIRELESS TDMA SYSTEM AND	)	Examiner: Thien D. Tran
METHOD FOR NETWORK	)	
COMMUNICATIONS	)	
	)	

Carlsbad, California  
February 28, 2005

MAIL STOP AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

03/03/2005 AWONDAF1 00000059 09603310

01 FC:1806

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Dear Sir or Madam:

In accordance with 37 C.F.R. § 1.56, Applicants make the documents listed on the enclosed PTO/SB/08 form of record in the above-identified application. In accordance with 37 C.F.R. § 1.97, this statement is not to be construed as a representation that a search has been made, and is not a representation that the information cited is effective as prior art to the application or is material to patentability.

Copies of the U.S. patents and non patent literature listed on the enclosed form PTO/SB/08 are not enclosed, in accordance with the waiver of the requirement of 37 C.F.R. § 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 that appears in the

Official Gazette Notice (Week No. 31) dated August 5, 2003 and entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications Filed After June 30, 2003."

However, the one (1) foreign patent document and the ten (10) non-patent literature documents listed on the PTO/SB/08 form are included for review and consideration.

This Supplemental Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection, but before payment of the Issue Fee. It is hereby requested that this Supplemental Information Disclosure Statement be considered.

I hereby state that no item of information in this Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement (37 C.F.R. § 1.97(e)(2)).

The U.S. and foreign, patents and published patent applications, and the non-patent literature listed on the enclosed PTO/SB/08 form may be cited in several of the following patent applications, which may be related to the present application: Serial No. 10/427,895, filed April 30, 2004; Serial No. 09/393,126, filed September 10, 1999; Serial No. 09/393,122, filed September 10, 1999; Serial No. 10/611,199, filed June 30, 2003; Serial No. 09/480,837, filed January 10, 2000; Serial No. 10/623,061, filed July 18, 2003; Serial No. 09/603,310, filed June 21, 2000; Serial No. 09/599,973, filed June 21, 2000; Serial No. 09/599,969, filed June 21, 2000; Serial No. 10/820,348, filed April 7, 2004; Serial No. 09/949,256, filed September 7, 2001; Serial No. 10/924,143, filed August 23, 2004; Serial No. 09/710,065, filed November 9, 2000;


Serial No. 09/788,295, filed February 16, 2001; Serial No. 09/805,735, filed March 13, 2001; and Serial No. 10/238,995, filed September 9, 2002.

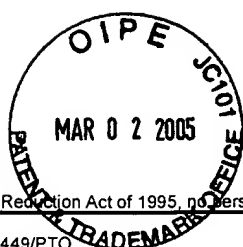
This Supplemental Information Disclosure Statement is accompanied by the requisite fee as set forth in 37 C.F.R. § 1.17(p) in the amount of \$180.00.

It is respectfully requested that these documents be (1) fully considered by the U.S. Patent and Trademark Office in the examination of the above-identified application; and (2) printed on any patent(s) that may issue from this application. It is also respectfully requested that a copy of Form PTO/SB/08, as considered and initiated by the Examiner, be returned to the undersigned with the next communication in accordance with M.P.E.P. § 609.

Respectfully submitted,

February 28, 2005  
Date

  
\_\_\_\_\_  
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**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 7

Application Number	09/603,310
Filing Date	June 21, 2000
First Named Inventor	Carleton Sparrell
Art Unit	2665
Examiner Name	Thien D. Tran
Attorney Docket Number	00042

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 3,668,639	06-06-1972	Harmuth	
		US- 3,678,204	07-18-1972	Harmuth	
		US- 3,728,632	04-17-1973	Ross	
		US- 3,875,524	04-1975	Harzer et al.	
		US- 4,232,339	11-1980	Smiley et al.	
		US- 4,506,267	03-19-1985	Harmuth	
		US- 4,574,378	03-1986	Kobayashi	
		US- 4,641,317	02-03-1987	Fullerton	
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		US- 4,672,608	06-1987	Ball et al.	
		US- 4,743,906	05-10-1998	Fullerton	
		US- 4,763,325	08-1988	Wolfe et al.	
		US- 4,813,057	03-14-1989	Fullerton	
		US- 5,134,408	07-28-1992	Harmuth	
		US- 5,148,174	09-15-1992	Harmuth	
		US- 5,153,595	10-06-1992	Harmuth	
		US- 5,159,343	10-27-1492	Harmuth	
		US- 5,307,081	04-26-1994	Harmuth	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		WO 01/93434 A2	10-06-2001	Rofheart et al.		

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		US- 5,334,975	08-02-1994	Wachob et al.	
		US- 5,365,240	11-15-1994	Harmuth	
		US- 5,493,691	02-20-1996	Barrett	
		US- 5,519,400	05-1996	McEwan	
		US- 5,523,758	06-04-1996	Harmuth	
		US- 5,586,145	12-17-1996	Morgan et al.	
		US- 5,592,177	01-07-1997	Barrett	
		US- 5,594,738	01-1997	Crisler et al.	
		US- 5,610,907	03-11-1997	Barrett	
		US- 5,675,388	10-1997	Cooper	
		US- 5,715,236	02-03-1998	Gilhousen et al.	
		US- 5,748,891	05-05-1998	Fleming et al.	
		US- 5,761,197	06-1998	Takefman	
		US- 5,812,671	09-1998	Ross	
		US- 5,850,422	12-1998	Chen	
		US- 5,886,652	03-1999	Adachi et al.	
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		US- 5,903,605	05-1999	Crittenden	
		US- 5,909,491 A	06-1999	Luo	

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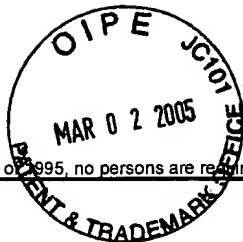
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Art Unit	2665
Examiner Name	Thien D. Tran
Attorney Docket Number	00042

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		US- 5,920,278	07-06-1999	Tyler et al.	
		US- 5,940,435	08-1999	Hendrickson	
		US- 6,002,708	12-14-1999	Fleming et al.	
		US- 6,026,125	02-15-2000	Larrick, Jr. et al.	
		US- 6,041,051	03-2000	Doshi et al.	
		US- 6,055,411	04-25-2000	Ishida et al.	
		US- 6,064,697	05-2000	Yoshikawa	
		US- 6,067,648	05-2000	Hunter et al.	
		US- 6,069,887	05-2000	Geiger et al.	
		US- 6,097,766	08/2000	Okubo et al.	
		US- 6,115,390	09-05-2000	Chuah	
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		US- 6,181,687	01-2001	Chatschik Bisdikian	
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		US- 6,232,910 B1	05-15-2001	Bell et al.	
		US- 6,236,662 B1	05-2001	Reilly	
		US- 6,239,741 B1	05-2001	Fontana et al.	

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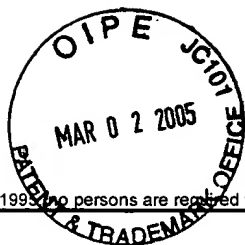
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		US- 6,246,277 B1	06-12-2001	Aiello et al.	
		US- 6,246,377 B1	06-12-2001	Aiello et al.	
		US- 6,275,500	08-2001	Callaway et al.	
		US- 6,275,544 B1	08-14-2001	Aiello et al.	
		US- 6,292,153 B1	09-18-2001	Aiello et al.	
		US- 6,300,903 B1	10-09-2001	Richards et al.	
		US- 6,310,865 B1	10-2001	Ohki	
		US- 6,324,397 B1	11-2001	Adachi et al.	
		US- 6,351,468 B1	02-2002	LaRowe et al.	
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		US- 6,385,461 B1	05-2002	Raith	
		US- 6,400,308	06-2002	Bell et al.	
		US- 6,424,645	07-2002	Kawabata et al.	
		US- 6,449,265 B1	09-2002	Prieto, Jr.	
		US- 6,463,042	10-2002	Risto Paatelma	
		US- 6,477,171 B1	11-2002	Wakeley et al.	
		US- 6,480,505 B1	11-2002	Johansson et al.	
		US- 6,497,656 B1	12-24-2002	Evans et al.	
		US- 6,505,032 B1	01-07-2003	McCorkle et al.	

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		US- 2002/0018458	02-14-2002	Aiello et al.	

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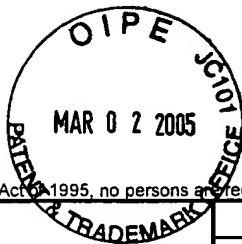
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STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number 09/603,310

Filing Date June 21, 2000

First Named Inventor Carleton Sparrell

Art Unit 2665

Examiner Name Thien D. Tran

Attorney Docket Number 00042

Sheet 7

of

7

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		"802.1D and 802.1Q Bridging Conformance" TA Document IEEE802.17-11Jul2001/040:3, 1394 Trade Association, 7 pages, October 2001.	
		Brunoi Pattan, A Brief Exposure to Ultra-Wideband Signaling, Microwave Journal, December 2003, 5 pages.	
		David G. Leeper, Wireless Data Blaster, Scientific American, May 2002, Pages 65-69.	
		Dr. James P. K. Gilb, Wireless Multimedia... A Guide to the IEEE 802.15.3 Standard, March 2004, 14 pages.	
		AETHER WIRE & LOCATION, INC., ROBERT FLEMING et al., "Integrated, Low-Power, Ultra-Wideband Transceivers for Distributed Position Location and Communication," Technical Abstracts of Proposal to Defense Advanced Research Projects Agency (DARPA), Part I - Technical Proposal, 1998, Pages 1-52.	
		AETHER WIRE & LOCATION, INC., ROBERT FLEMING et al., "Low-Power, Miniature, Distributed Position Location and Communication Devices Using Ultra-Wideband, Nonsinusoidal Communication Technology," Semi-Annual Technical Report Prepared for: ARPA/FBI, July 1995, Pages 1-40.	
		HENNING F. HARMUTH, "Fundamental Limits for Radio Signals With Large Bandwidth," IEEE Transactions on Electromagnetic Compatibility, Vol. EMC-23, No. 1, February 1981, Pages 37-43.	
		HENNING F. HARMUTH, "Frequency-Sharing and Spread-Spectrum Transmission with Large Relative Bandwidth," IEEE Transactions on Electromagnetic Compatibility, Vol. EMC-20, No. 1, February 1978, Pages 232-239.	
		HENNING F. HARMUTH, "Applications of Walsh functions in communications," IEEE Spectrum, November 1969, Pages 82-91.	
		HENNING F. HARMUTH et al., "Large-Current, Short-Length Radiator for Nonsinusoidal Waves," IEEE International Symposium on Electromagnetic Compatibility, 1983, Pages 453-456.	

Examiner Signature	Date Considered
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